ABSTRACT OF THE DISCLOSURE

A system and method for aggregating multiple radio interfaces into a single logical bridge interface with reference to an IEEE 802.11 Wi-Fi network and an Ethernet local area network. The system includes a master switch with multiple associated wireless modules. Each master switch wireless module selectively broadcasts an associated connection signal. The master switch has an associated aggregation port, which is in data communication with each of the master switch wireless modules and selectively routes data among the master switch wireless modules. The system also includes a slave switch with multiple associated wireless modules. Each of the slave switch wireless modules receives one associated connection signal and establishes a wireless data communication link with the broadcasting master switch. The slave switch also includes an associated aggregation port, which is in data communication with each of the slave switch wireless modules, selectively routes data among the slave switch wireless modules.